



TROPICAL CYCLONE BULLETIN NO. 16

Typhoon "KIKO" (CHANTHU)

Issued at 8:00 PM, 10 September 2021

Valid for broadcast until the next bulletin at 11:00 PM today.

TYPHOON "KIKO" MAINTAINS ITS STRENGTH AS IT MOVES OVER THE WATERS OFF NORTHEAST OF STA. ANA, CAGAYAN.

Location of Center (7:00 PM)	<p>Track of Typhoon KIKO (CHANTHU)</p> <p>Legend: ● Ocean Typhoon ● Typhoon ● Severe Tropical Storm ● Tropical Storm ● Tropical Depression ● Low Pressure Area</p> <p>SPM, 13 Sep 2021 (Mon) SPM, 12 Sep 2021 (Sun) SPM, 11 Sep 2021 (Sat) SPM, 10 Sep 2021 (Fri) SPM, 07 Sep 2021 (Tue) (Initial Position)</p> <p>Philippine Atmospheric, Geophysical and Astronomical Services Administration</p>
The center of the eye of Typhoon "KIKO" was located based on all available data including those from Aparri Doppler Weather Radar at 190 km East of Aparri, Cagayan or 175 km East Southeast of Calayan, Cagayan (18.7°N, 123.0°E)	
Intensity	
Maximum sustained winds of 215 km/h near the center, gustiness of up to 265 km/h , and central pressure of 920 hPa	
Present Movement	
North Northwestward at 15 km/h	
Extent of Tropical Cyclone Winds	
Strong winds or higher extend outwards up to 230 km from the center	

TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 5:00 AM 11 September 2021	20.0	122.1	Over the coastal waters of Sabtang Island, Batanes	215	TY	NNW 20
24-Hour Forecast 5:00 PM 11 September 2021	21.2	121.7	Over the coastal waters of Itbayat, Batanes	205	TY	NNW 10
36-Hour Forecast 5:00 AM 12 September 2021	22.4	121.7	180 km North of Itbayat, Batanes	185	TY	N 10
48-Hour Forecast 5:00 PM 12 September 2021	24.1	122.0	370 km North of Itbayat, Batanes	175	TY	N 15
60-Hour Forecast 5:00 AM 13 September 2021	26.4	122.5	625 km North of Itbayat, Batanes (outside the PAR)	165	TY	N 20
72-Hour Forecast 5:00 PM 13 September 2021	28.7	123.1	890 km North of Extreme Northern Luzon (outside the PAR)	155	TY	NNE 20

Prepared by: SMRR

Checked by: JSG



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TROPICAL CYCLONE WIND SIGNALS IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
4 (Very Destructive typhoon-force winds prevailing or expected within 12 hours)	The northeastern portion of Babuyan Islands (Babuyan Is.) and the southern portion of Batanes (Basco, Mahatao, Uyugan, Ivana, Sabtang)	-	-
3 (Destructive typhoon-force winds prevailing or expected within 18 hours)	The extreme northeastern portion of Cagayan (Santa Ana, Gonzaga), the rest of Babuyan Islands, and the rest of Batanes	-	-
2 (Damaging gale-force to storm-force winds prevailing or expected within 24 hours)	The northern, central, and eastern portions of mainland Cagayan (Aparri, Camalaniugan, Lal-Lo, Gattaran, Baggao, Peñablanca, Buguey, Santa Teresita, Tuguegarao City, Iguig, Amulung, Alcala, Allacapan, Lasam, Ballesteros, Abulug), the northeastern portion of Isabela (San Pablo, Maconacon, Divilacan, Palanan), and the northeastern portion of Apayao (Flora, Santa Marcela, Luna, Pudtol)	-	-
1 (Strong winds prevailing or expected within 36 hours)	The rest of mainland Cagayan, the eastern portion of Ilocos Norte (Pagudpud, Adams, Dumalneg, Bangui, Vintar, Carasi, Nueva Era, Burgos, Pasuquin, Bacarra, Laoag City, Piddig, Solsona, Dingras, Sarrat, San Nicolas), the rest of Apayao, the northern portion of Kalinga (Balbalan, Pinukpuk, City of Tabuk, Rizal), the eastern portion of Mountain Province (Paracelis), the northeastern portion of Abra (Tineg, Lacub, Malibcong), the northwestern and southeastern portions of Isabela (Santa Maria, Quezon, Mallig, Roxas, San Manuel, Cabatuan, Aurora, City of Cauayan, Angadanan, San Guillermo, Dinapigue, San Mariano, Cabagan, Santo Tomas, Delfin Albano, Tumaui, Quirino, Burgos, Gamu, Ilagan City, Luna, Reina Mercedes, Naguilian, Benito Soliven), and the northern portion of Aurora (Dilasag, Casiguran)	-	-

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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- Tonight through tomorrow evening, Typhoon "KIKO" will bring:
 - Heavy to intense with at times torrential rains over the northeastern portion of Cagayan including Babuyan Islands and Batanes.
 - Moderate to heavy with at times intense rains over northern and central Aurora, northern Isabela, the rest of Cagayan, Ilocos Region, Cordillera Administrative Region, and the rest of Cagayan Valley.
- Under these conditions, scattered to widespread flooding (including flash floods) and rain-induced landslides are possible especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps.
- Typhoon "KIKO" will continue to enhance the Southwest Monsoon, bringing monsoon rains over the western section of Southern Luzon and Western Visayas in the next 24 hours. For more information, refer to Weather Advisory #4 for Southwest Monsoon issued at 11:00 AM today and the 24-Hour Public Weather Forecast at 4:00 PM today.

Severe Winds

- Winds may reach typhoon-force strength between 171 and 220 km/h in strength within any of the areas where Tropical Cyclone Wind Signal (TCWS) #4 is hoisted during the passage of the typhoon. This may cause generally heavy to very heavy damage to structures and vegetation.
- Winds may reach typhoon-force strength of up to 170 km/h in strength within any of the areas where TCWS #3 is hoisted during the passage of the typhoon. This may cause generally moderate to heavy damage to structures and vegetation.
- Winds may reach gale to storm force strength within any of the areas where TCWS #2 is in effect. This may result to light to moderate damage to structures and vegetation.
- Winds reaching strong breeze to near gale strength (i.e., strong winds) will be felt within any of the areas where TCWS #1 is in effect. This may result to up to very light damage to structures and vegetation.
- Further intensification into Super Typhoon is not ruled out. As such, TCWS #5 may be hoisted over some municipalities of Batanes and Babuyan Islands.
- The enhanced Southwest Monsoon will bring occasional gusts reaching strong breeze to near gale in strength over the coastal and upland/mountain areas of the western sections of Central Luzon, Southern Luzon, and Visayas in the next 24 hours. For more information, refer to Weather Advisory #4 for Southwest Monsoon issued at 11:00 AM today.

Coastal Inundation

A moderate risk of storm surge reaching 1.0 to 2.0 m in height may occur in the next 24 hours. Rising sea water along with the high waves from the shoreline moving inland may cause flooding in the low-lying coastal localities of Batanes, Cagayan including Babuyan Islands, and Isabela. For more information, refer to Storm Surge Warning #3 for Typhoon "KIKO" issued at 5:00 PM today.

HAZARDS AFFECTING COASTAL WATERS

- In the next 24 hours, rough to phenomenal seas (3.0 to 16.0 m) will be experienced over the seaboard of areas where TCWS is in effect. Sea travel is risky for all types of sea vessels. Mariners are advised to remain in port or take shelter in port until winds and waves subside.
- Moderate to rough seas (1.2 to 3.0 m) will be experienced over the eastern seaboard of Central and Southern Luzon. Sea travel is risky for those using small seacrafts. Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.
- Due to the typhoon enhancing the Southwest Monsoon, Gale Warning is currently in effect for the western seaboard of Palawan including Calamian and Kalayaan Islands and Occidental Mindoro including Lubang Islands. For more information, refer to Gale Warning #3 issued at 5:00 PM today.

TRACK AND INTENSITY OUTLOOK

- Typhoon "KIKO" will continue moving over the waters of northeastern Cagayan tonight. On the forecast track, the typhoon is forecast to pass over the coastal waters of Babuyan Islands and cross the vicinity of Batanes tonight through tomorrow afternoon.
- After passing in the vicinity of Extreme Northern Luzon, "KIKO" is forecast to move northward for the remainder of tomorrow through Sunday afternoon and may pass within the coastal waters of Taiwan. The typhoon is forecast to exit the Philippine Area of Responsibility on Sunday evening or Monday early morning. Outside the PAR, the typhoon will turn generally north northeastward over the East China Sea.
- The typhoon is forecast to maintain its strength while traversing the Babuyan-Batanes area and may begin to weaken as "KIKO" interacts with the rugged terrain of Taiwan but will remain within typhoon category throughout the forecast period.
- "KIKO" is now near the Super Typhoon category threshold. The likelihood that this typhoon will reach Super Typhoon category is not ruled out.

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Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
Philippine Atmospheric, Geophysical and Astronomical
Services Administration (PAGASA)
Weather Division



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Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 PM today.

DOST-PAGASA

Prepared by:  **SMRR**

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